

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

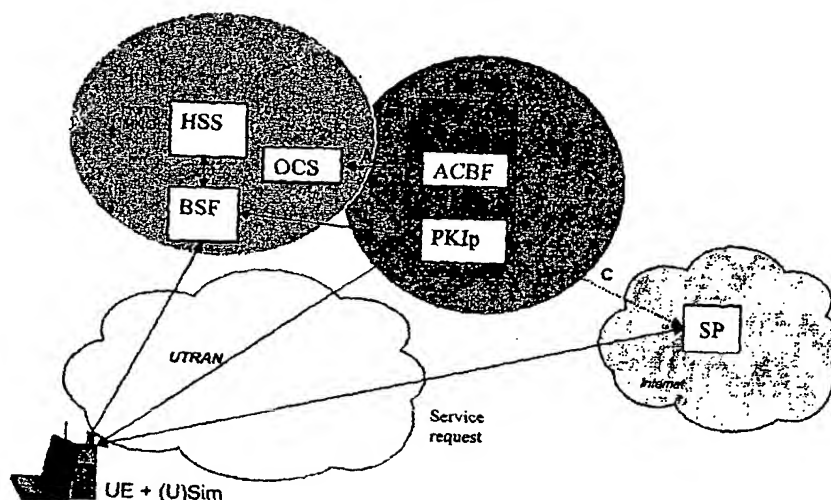
PCT

(10) International Publication Number
WO 2005/004456 A1

- (51) International Patent Classification⁷: **H04M 17/00**, G07F 19/00, 7/08, H04M 15/00
- (21) International Application Number: PCT/EP2003/050235
- (22) International Filing Date: 18 June 2003 (18.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET LM ERICSSON** (publ) [SE/SE]; S-164 83 Stockholm (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **AHLBÄCK, Hans** [FI/FI]; Axstigen 2 B 28, FIN-20720 Turku (FI). **HAKALA, Harri, Tapani** [FI/FI]; Rossinkatu 2 F 7, FIN-20380 Turku (FI). **KUIKKA, Matti** [FI/FI]; Valppermintie 6, FIN-21310 Vahto (FI).
- (74) Agents: **LIND, Robert et al.**; Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford, 48 OX4 2RU (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: ONLINE CHARGING IN MOBILE NETWORKS



(57) Abstract: A method of using accounting certificates to allow a subscriber of a home network to purchase services or products via a mobile communications network, the method comprising sending a request for an accounting certificate from a subscriber's mobile terminal to a certificate issuing node, upon receipt of the request at said node, sending an authorisation request from said node to an online charging system of the subscriber's home network, at the online charging system, making a decision on said request based upon the subscriber's account data, and returning either an accept or deny service request message to said node, in the event that an accept service request message is received by said node, sending the requested accounting certificate to the subscriber terminal, and sending the accounting certificate from the subscriber terminal to the provider of a product or service to be paid for.

BEST AVAILABLE COPY

WO 2005/004456 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.